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(57) Abstract:

**SOLUTION:** In this hydraulic automatic tensioner having the hydraulic damper 1 stored in a tension pulley shed, a plunger spring 11 energizing a rod 7 through a plunger 4 is stored in a reservoir chamber 5, the plunger spring 11 is a tension coil spring having one end locked in the plunger 4 and the other end locked in a wearing 10 to make the component members of the hydraulic damper 1 as a cassette.

Figure 1 consists of two cross-sectional views, (A) and (B), of a mechanical device. The device is shown in a cross-section with hatching indicating different materials. The main body is labeled 1. A large circular component is labeled 34. A smaller circular component is labeled 33. A rectangular component is labeled 41. A vertical rod or shaft is labeled 7. A spring is labeled 45. A component labeled 10 is shown in both views. In view (A), a component labeled 38 is visible, which is a rectangular block with a circular feature. In view (B), the component 38 is not visible, and the internal components are shown in a different configuration. Other labels include 2, 3, 4, 5, 6, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 35, 36, 37, 39, 40, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.